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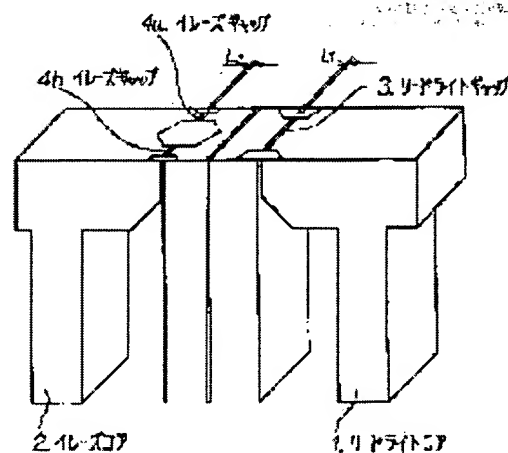
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(54) MAGNETIC HEAD

(57)Abstract:

PURPOSE: To shorten the production lead time by setting the space length of a magnetic gap for writing and reading and the space length of a magnetic gap for tunnel erasing to a specified dimensional relation.

CONSTITUTION: This magnetic head is a floppy disk magnetic head for which a read-write core 1 and erase core 2 are coupled with each other. In respective cores 1 and 2, a read-write gap 3 with a space length L1 and erase gaps 4a, 4b with space length L2 are formed. Both of lengths L1 and L2 are made equal, but while including the error in manufacture the length is set, within the range $1.2L1 \geq L2 \geq 0.8L1$. In such a manner, L1 and L2 are set to be the same in the production process of the read-write core 1 and the erase core 2, since a sputtering device in the sputtering process of the gap material can be operated simultaneously the production lead time is shortened compared with a conventional method to reduce the production cost.



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